

CLAIMS

1. A method of generating charging data in a data network, comprising:

transmitting data generated by a content provider in a content server to a node of a data transmission connection used by a connection provider;

transmitting the data of a service entity generated by the content provider from the node through the data transmission connection used by the connection provider to a subscriber terminal;

identifying in the node individual transactions in the data to be transmitted to the subscriber terminal;

transmitting the identification information of the identified transactions from the node to the charging information system of the connection provider;

identifying in the charging information system the individual transactions in the chargeable service entity;

generating in the charging information system one content ticket for each identified service entity, and

using the content ticket in billing for the service entity.

2. A method as claimed in claim 1, wherein the data network is selected from a group comprising: the Internet, a mobile system employing the wireless application protocol (WAP).

3. A method of claim 1, further comprising generating transaction-specific tickets on the basis of the transactions by the connection provider.

4. A method of claim 1, wherein the charging information system is a WAP charging gateway.

5. A method of claim 1, further comprising generating, by the connection provider, the content ticket on the basis of the transaction tickets generated on the basis of the individual transactions.

6. A method of claim 1, further comprising:

defining a content identifier identifying the chargeable service entity,

and

transmitting to the connection provider the content identifier associated with the transaction of the service entity to be transmitted to the subscriber terminal.

7. A method of claim 1, wherein a content identifier is used to identify the transactions of the chargeable service entity.

8. A method of claim 1, further comprising generating the content ticket of the chargeable service entity by using a content identifier.

9. A method of claim 1, further comprising generating, by the content provider, a content identifier associated with the individual transactions.

10. A method of claim 1, further comprising inserting a content identifier in the header information of the individual transactions of the service entity.

11. A method of claim 1, further comprising inserting a content identifier in the http header information of the individual transactions of the service entity.

12. A method of claim 1, further comprising transmitting a content identifier separate from the data of the individual transactions of the service entity.

13. A method of claim 1, further comprising defining a service platform identifier identifying the service platform of the content provider.

14. A method of claim 1, further comprising generating a service platform identifier by the content provider.

15. A method of claim 1, further comprising transmitting a service platform identifier to the connection provider, the service platform identifier associated with the transaction of the service entity to be transmitted to the subscriber terminal.

16. A method of claim 1, further comprising generating, by the connection provider, a service platform identifier associated with the individual transaction of the service entity to be transmitted to the subscriber terminal.

17. A method of claim 1, further comprising using a service platform identifier for identifying the transactions of the chargeable service entity.

18. A method of claim 1, further comprising using a service platform identifier for generating the content ticket of the chargeable service entity.

19. A method of claim 1, further comprising inserting a service platform identifier in the header information of the individual transactions of the service entity.

20. A method of claim 1, further comprising inserting a service platform identifier in the http header information of the individual transactions of the service entity.

21. A method of claim 1, further comprising transmitting a service platform identifier separate from the data of the individual transactions of the service entity.

22. A method of claim 1, wherein a numerical IP address of the service is used to identify the transactions of the chargeable service entity.

23. A method of claim 1, wherein a numerical IP address of the service is used in generating a service platform identifier.

24. A method of claim 1, wherein a URL address of the service is used to identify the transactions of the chargeable service entity.

25. A method of claim 1, wherein a URL address of the service is used in generating the service platform identifier.

26. A method of claim 1, further comprising attaching a user identifier to the content ticket.

27. A method of claim 1, wherein a user identifier attached to the content ticket is the international ISDN number of the mobile subscriber.

28. A method of claim 1, wherein a user identifier attached to the content ticket is an IP address identifying the subscriber terminal in the Internet network.

29. A data network comprising:

a content server of a content provider that has a connection through the Internet to a node of a data transmission connection used by a connection provider, from which there is a connection through a data transmission connection used by the connection provider to a subscriber terminal, in addition, there is a connection to a charging information system from the node, and the node comprises means for identifying individual transactions in data to be transmitted to the subscriber terminal;

means for identifying the individual transactions of a chargeable service entity in the charging information system;

means for generating in the charging information system one content ticket for each service entity, and

means for using the content ticket in billing for the service entity.

30. A data network of claim 29, wherein the data network is selected from a group comprising: the Internet, a mobile system employing the wireless application protocol (WAP).

31. A data network of claim 29, further comprising means used by the connection provider, the means for generating transaction-specific tickets on the basis of transactions.

32. A data network of claim 29, wherein the charging information system is a WAP charging gateway.

33. A data network of claim 29 further comprising means used by the connection provider, the means for generating a content ticket on the basis of the transaction tickets generated on the basis of the individual transactions.

34. A data network of claim 29, further comprising:
means for defining a content identifier identifying a chargeable service entity, and

means for transmitting to the connection provider the content identifier associated with the transaction of the service entity to be transmitted to the subscriber terminal.

35. A data network of claim 29, further comprising means for using the content identifier to identify the transaction of the chargeable service entity.

36. A data network of claim 29, further comprising means for generating a content ticket for the chargeable service entity by using the content identifier.

37. A data network of claim 29, further comprising means used by the content provider, the means for generating the content identifier associated with individual transactions.

38. A data network of claim 29, further comprising means for inserting the content identifier in the header information of the individual transactions of the service entity.

39. A data network of claim 29, further comprising means for inserting the content identifier in the http header information of the individual transactions of the service entity.

40. A data network of claim 29, further comprising means for transmitting the content identifier identifying the service entity separate from the data of the individual transactions of the service entity.

41. A data network of claim 29, further comprising means for defining a service platform identifier identifying the service platform of the content provider.

42. A data network of claim 29, further comprising means used by the content provider, the means for generating the service platform identifier.

43. A data network of claim 29, further comprising means for transmitting to the connection provider a service platform identifier associated with the transaction of the service entity to be transmitted to the subscriber terminal.

44. A data network of claim 29, further comprising means used by the connection provider, the means for generating a service platform identifier associated with the individual transaction of the service entity to be transmitted to the subscriber terminal.

45. A data network of claim 29, further comprising means for using a service platform identifier for identifying the transactions of the chargeable service entity.

46. A data network of claim 29, further comprising means for using a service platform identifier for generating the content ticket of the chargeable service entity.

47. A data network of claim 29, further comprising means for inserting a service platform identifier in the header information of the individual transactions of the service entity.

48. A data network of claim 29 further comprising means for inserting a service platform identifier in the http header information of the individual transactions of the service entity.

49. A data network of claim 29, further comprising means for transmitting a service platform identifier separate from the data of the individual transactions of the service entity.

50. A data network of claim 29, further comprising means for using a numerical IP address of the service to identify the transactions of the chargeable service entity.

51. A data network of claim 29, further comprising means for using a numerical IP address of the service in generating the service platform identifier.

52. A data network of claim 29, further comprising means for using a URL address of the service to identify the transactions of the chargeable service entity.

53. A data network of claim 29, further comprising means for using a URL address of the service in generating the service platform identifier.

54. A data network of claim 29, further comprising means for attaching a user identifier to the content ticket.

55. A data network of claim 29, wherein a user identifier attached to the content ticket is the international ISDN number of the mobile subscriber (MSISDN).

56. A data network of claim 29, wherein a user identifier attached to the content ticket is in IP address identifying the subscriber terminal in the Internet network.